

ABSTRACT

A process for production of a nonwoven fabric, which comprises a step wherein a thermoplastic polymer is dissolved in a mixed solvent composed of a volatile good solvent and a volatile poor solvent, a step wherein the resulting solution is spun by an electrospinning method and a step wherein a nonwoven fabric accumulated on a collecting sheet is obtained, is employed to provide a nonwoven fabric having a surface area sufficiently large as a matrix for cell culturing in the field of regenerative medicine, with large gaps between filaments and a low apparent density suitable for cell culturing.